

This listing of claims will replace all prior versions, and listings, of the claims in the application:

Listing of Claims:

1. (Currently Amended) An isolated nucleic acid molecule encoding an olfactory receptor (ORX) polypeptide, wherein said molecule comprises a nucleotide sequence of SEQ ID NO:224, or a complement thereof, wherein the complement is at least 10 nucleotides in length and wherein the complement hybridizes under stringent hybridization conditions of 6X SSC at 65 °C to a nucleic acid sequence comprising SEQ ID NO:224.
2. (Currently Amended) The nucleic acid molecule of claim 1, wherein said molecule hybridizes under stringent hybridization conditions of 6X SSC at 65 °C to a nucleic acid sequence complementary to an ORX nucleic acid molecule comprising SEQ ID NO:224, ~~or a complement thereof.~~
3. (Cancelled).
4. (Cancelled)
5. (Currently Amended) An oligonucleotide of less than 100 nucleotides in length, which comprises at least 6 contiguous nucleotides of the ORX nucleic acid molecule of claim 1, or a the complement thereof.
6. (Original) A vector comprising the nucleic acid molecule of claim 1.
7. (Original) The vector of claim 6, wherein said vector is an expression vector.
8. (Original) The vector of claim 6, further comprising a regulatory element operably linked to said nucleic acid molecule.
9. (Cancelled).

10. (Cancelled).

11. (Previously presented) A method of producing the polypeptide of claim 1, said method comprising the step of culturing a host cell under conditions in which the nucleic acid molecule is expressed.

12-20. (Cancelled).